

Product datasheet for **SC332868**

GPR161 (NM_001267610) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR161 (NM_001267610) Human Untagged Clone
Tag: Tag Free
Symbol: GPR161
Synonyms: RE2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332868 representing NM_001267610.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCCTCAACTCCTCCCTCAGCTGCAGGAAGGAGCTGAGTAATCTCACTGAGGAGGAGGGTGGCGAA
GGGGCGTCATCATCACCCAGTTCATCGCCATCATTGTCATCACCATTTTTGTCTGCCTGGGAAACCTG
GTCATCGTGGTCACCTTGTACAAGAAGTCTACCTCCTCACCTCAGCAACAAGTTCGTCTTCAGCCTG
ACTCTGTCCAACCTCCTGCTGTCCGTGTTGGTGTGCCTTTTGTGGTGACGAGCTCCATCCGAGGGAA
TGGATCTTTGGTGTAGTGTGGTCAACTTCTCTGCCCTCCTCTACCTGCTGATCAGCTCTGCCAGCATG
CTAACCTCGGGGTCAATGCCATCGACCCTACTATGCTGTCTGTACCCCATGGTGTACCCCATGAAG
ATCACAGGAACCGGGCTGTGATGGCACTTGTCTACATCTGGCTTCACTCGCTCATCGGCTGCCTGCCA
CCCTGTTTGGTGGTCAATCCGTGGAGTTTGACGAGTTCAAATGGATGTGTGTGGCTGCTTGGCACCGG
GAGCCTGGCTACACGGCCTTCTGGCAGATCTGGTGTGCCCTCTTCCCCTTTCTGGTCATGCTGGTGTGC
TATGGCTTCATCTCCGCGTGGCCAGGGTCAAGGCACGCAAGGTGCACTGTGGCAGATCGTCATCGTG
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AATGCCTTTCAGGGTGTGGTCTACTCGCCAACCAAGTGCAAAGCCCTCATCACCATCCTGGTGGTCTC
GGTGCCTTCATGGTCACCTGGGGCCCTACATGGTTGTCATCGCCTCTGAGGCCCTCTGGGGAAAAGC
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CGGAACCATTTGTGCAACGACAGAGGACTTCCAGGCTCTTCAGCATTTCCAACAGGATCACAGACCTG
GGCCTGTCCCCACACCTCACTGCCTCATGGCAGGTGGACAGCCCTGGGGCACAGCAGCAGCACGGGG
GACACTGGCTTCACTGCTCCCAGGACTCAGGGACAGATATGATGCTGCTTGAGGACTACAGTCTGAT
GACAACCTCCCTCTCACTGCATTGCCACCCAAGAGAAGGAGCTCGGTGACATTTGAGGATGAAGTG
GAACAAATCAAAGAAGCTGCCAAGAAGTTCGATTCTTCATGTGAAAGCTGAAGTACACAAGTCTTGGAC
AGTTACGCAGCAAGCTTGGCCAAAGCCATTGAGGCCGAAGCCAAAATCACTTATTTGGGGAGGAGGCT
TTGCCAGGGTCTTGGTTACAGCACGACTGTCCCGGGGGCGGCTTCGGGGGCCCGGAGCAGCAGA
ACTCTTGTGAGCCAGAGGCTGCAGTTGCAGAGCATCGAAGAAGGAGATGTTTTAGCTGCCGAGCAGAGA
TGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001267610



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Insert Size:	1590 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001267610.1</u>
RefSeq Size:	8228 bp
RefSeq ORF:	1590 bp
Locus ID:	23432
UniProt ID:	<u>Q8N6U8</u>
Cytogenetics:	1q24.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	58.6 kDa
Gene Summary:	<p>The protein encoded by this gene is an orphan G protein-coupled receptor whose ligand is unknown. This gene is overexpressed in triple-negative breast cancer, and disruption of this gene slows the proliferation of basal breast cancer cells. Therefore, this gene is a potential drug target for triple-negative breast cancer. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (2) lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1. Variants 2, 3, 8, 9, and 10 all encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>